
Date: 10 Mar 94 18:47:08 GMT
From: agate!howland.reston.ans.net!paladin.american.edu!zombie.ncsc.mil!
blackbird.afit.af.mil!sd2!johnsotc@ucbvax.berkeley.edu
Subject: Frustration over sat tracking prgs...
To: ham-space@ucsd.edu

In article <jkondis.763231047@orion.oac.uci.edu>, jkondis@orion.oac.uci.edu (John Kondis) writes:

|>
|> Has anyone had similar problems? Or do any of you PC wizards have any
|> suggestions? Are there any 'reliable' progs out there that are easy to
|> please???
|>
|> Thanks in advance for any replies...
|> ...John
|> jkondis@orion.oac.uci.edu
|>
|>
|>

Have you tried PC-Track 3.0 on SimTel or garbo?

oak.oakland.edu pub/msdos/satelites pctrk30a.zip pctrk30b.zip
garbo.uwasa.fi pc/ham pck301a.zip pck301b.zip

Date: Mon, 14 Mar 1994 21:10:18 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!
netcom.com!dsharp@network.ucsd.edu
Subject: new stsplus??
To: ham-space@ucsd.edu

brunelli_pc@delphi.com wrote:

> I have heard a few rumors about SOP94???, and that it tracks
> multiple sats. Any info on validity, ftp availability,
> or otherwise would be grealyly appreciated

I found SOP9405 at grivel.une.edu.au in directory
/pub/ham-radio/funet/ham/satellite/tracking.

73, Dave

--

Dave Sharp - NU8H Dayton, Ohio dsharp@netcom.com

Made from only the freshest electrons and 100% pure ASCII to
insure that you have the best possible newsreading experience.

Date: Mon, 14 Mar 1994 18:26:44 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!sunic!psinntp!psinntp!
arrl.org!zlau@network.ucsd.edu
Subject: Portable A0-13 operation
To: ham-space@ucsd.edu

Looks like Mode S is the way to go for most
portable station that can work well through
A0-13. Maybe that is why they have Mode B
receiving contests--takes a lot more work to
hear the transponder noise floor....

As I thought, as confirmed by G3RUH in a
recent published letter, the beacon uses
all the transponder power, thus you
want to be *weaker* than the beacon.
During a busy pass, I guess this means you
want your signal to be at least 6 dB
weaker, to accomodate at least 4 users.

My 2 foot dish for for 2.4 GHz receive
is probably too big, I'll be trying a
small helix with a 0.4 dB system NF converter
when (if?) the weather gets nice outside.

Wonder if anyone has gotten the HP PHEMT
to work well on this band? The data sheet
says a device NF of 0.13, but given the
error inherant in such a measurement, it
might be no better than other PHEMTs. I'll
be bringing something to the West Coast
VHF conference for comparison.

--

Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

Date: Tue, 15 Mar 1994 01:05:04 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
astroman@network.ucsd.edu
Subject: STS-62 Orbital State Vector Rev #163 (Post OMS-4)
To: ham-space@ucsd.edu

Vector format = 7
Satellite Name: STS-62
Catalog Number: 23025 94015A
Epoch Date/Time: 94073.79437932870
03/14/1994 19:03:54.374 UTC
ECI X: -5076.328225 km
Y: 3270.819647 km
Z: -2756.382000 km
Xdot: -4.994451884 km/s
Ydot: -4.657109101 km/s
Zdot: 3.667411000 km/s
ndot/2 (drag): 0.00069430000 rev/day^2
nddt/6: 7.54270E-06 rev/day^3
Bstar: 9.89890E-05 1/Earth Radii
Elset #: 23
Rev @ Epoch: 163.88529960431

MSDOS/PC software is available for conversion of
OSV to 2 Line Keplerian Elements via ftp to:
oak.oakland.edu:/pub/msdos/hamradio/v2l9331.zip
and the SIMTEL archives.

State Vectors courtesy Ken Ernandes N2WWD

SM

Date: Tue, 15 Mar 1994 00:44:30 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!paladin.american.edu!
zombie.ncsc.mil!blackbird.afit.af.mil!tkelso@network.ucsd.edu
Subject: Two-Line Orbital Element Set: Space Shuttle
To: ham-space@ucsd.edu

The most current orbital elements from the NORAD two-line element sets are
carried on the Celestial BBS, (513) *253-9767*, and are updated daily (when
possible). Documentation and tracking software are also available on this
system. As a service to the satellite user community, the most current

elements for the current shuttle mission are provided below. The Celestial BBS may be accessed 24 hours/day at 300, 1200, 2400, 4800, or 9600 bps using 8 data bits, 1 stop bit, no parity.

Element sets (also updated daily), shuttle elements, and some documentation and software are also available via anonymous ftp from archive.afit.af.mil (129.92.1.66) in the directory pub/space.

STS 62

```
1 23025U 94015A 94073.32846065 .00069430 75427-5 98989-4 0 257
2 23025 39.0144 184.6491 0007547 262.5411 240.1813 16.04851851 1551
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Dr TS Kelso
tkelso@afit.af.mil

Assistant Professor of Space Operations
Air Force Institute of Technology

End of Ham-Space Digest V94 #58
